



[DURISOL.COM](http://DURISOL.COM)

# DURISOL PRECAST NOISE BARRIER PRODUCT GUIDE

ATTRACTIVE, SOUND-ABSORPTIVE WALLS MADE OF DURABLE,  
FIELD-PROVEN DURISOL MATERIAL

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VISUAL APPEAL

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POST & PANEL DESIGN

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SOUND ABSORBING

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95% RECYCLED MATERIAL

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40+ YEAR SERVICE LIFE

Durisol® is the proprietary name of a durable, lightweight and cementitious composition. It is made of chemically neutralized and mineralized organic softwood shavings which are specially processed to an acoustically engineered size and are bonded together under pressure with Portland cement.

The material is sound-absorbent, noncombustible, vermin and rot proof. Durisol® is self-draining and highly resistant to weather exposure including: freeze-thaw, road de-icing chemicals and fungicides.

All Durisol® noise barrier systems are engineered in-house, specifying the post size and the depth and diameter of footings. Standard steel posts or optional concrete posts can be accommodated.

## STANDARD COLOURS



1004B NATURAL



1082D TAN



1538B GREY



02589 TAN



09187 GREY



11988 BROWN

**\*Use this palette as a guide only.** Durisol's absorptive texture will offer a different & more three dimensional look. It should also be noted that wall colours will vary during the day as they go from sun to part-sun to shade.

## TYPICAL APPLICATIONS

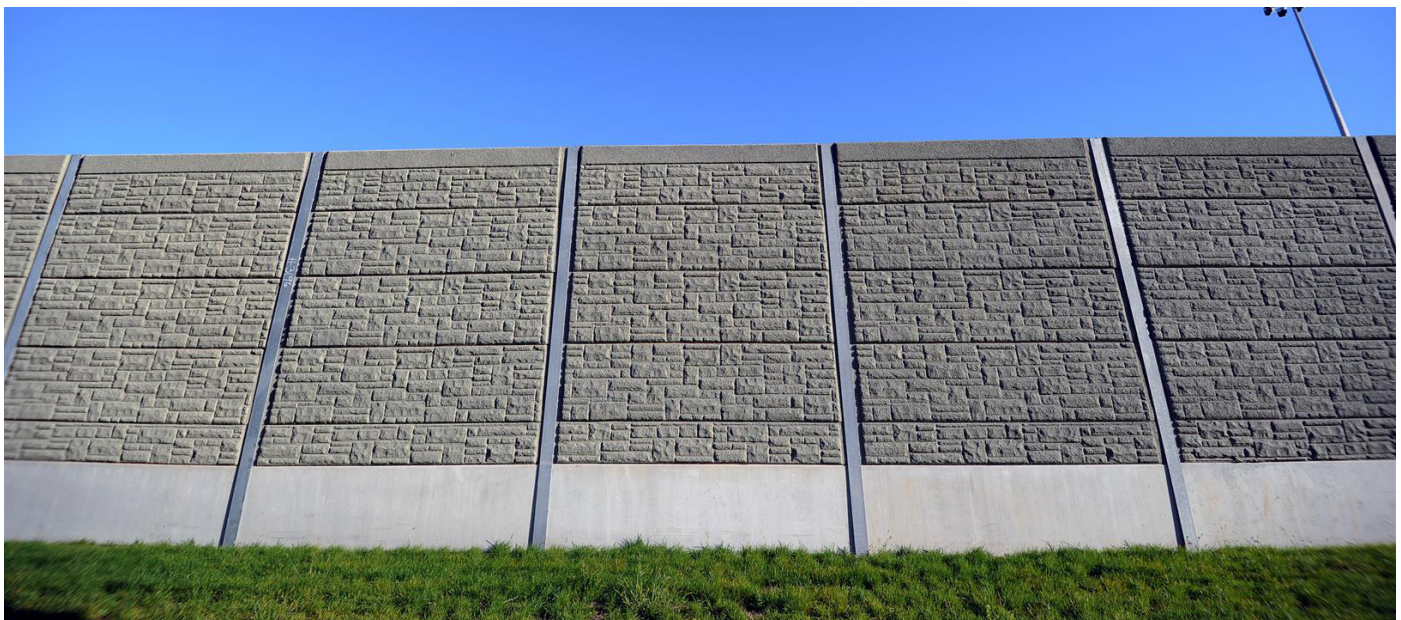
- Roads and highways
- Bridges
- Acoustic enclosures
- Wind farms
- Hydro stations
- Residential developments
- Industrial & commercial sites

## PRODUCT FEATURES

- Lightweight
- Absorptive
- Noncombustible
- Vermin & rot-proof
- Thermally insulating
- Freeze-thaw resistant



Search for us on the **How It's Made You Tube Channel**



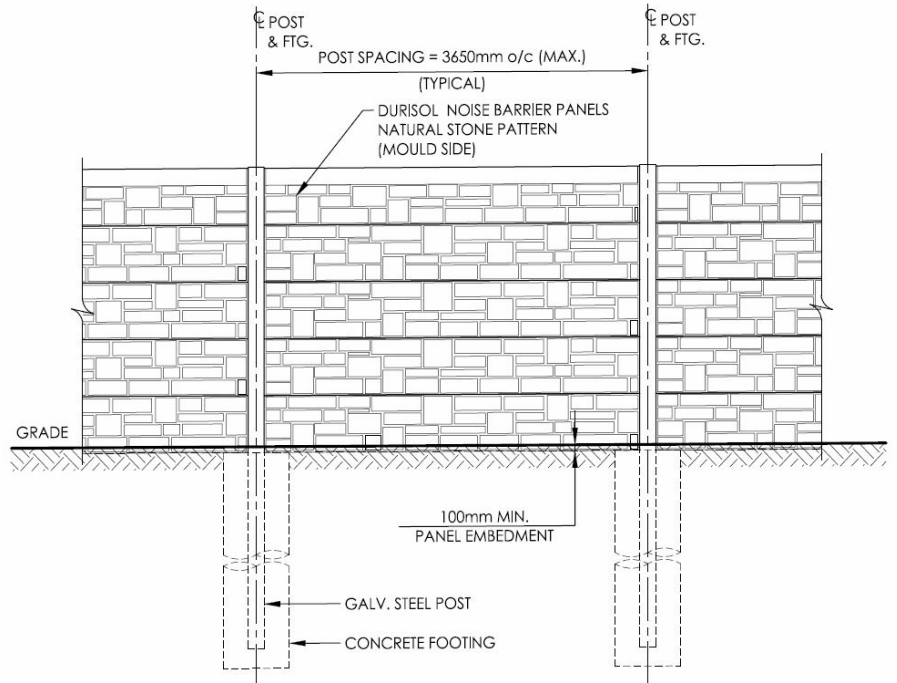
## NB12 SYSTEM

The NB12 is a post and precast panel noise barrier system with standard centre-to-centre post spacing of **12ft (3.65m)**. The NB12 system can be engineered for wall heights up to 33ft (10m) or more. Panels are a standard size of 12ft (3.65m) long by 20in (0.5m) high.

The standard NB12 panel system is sound absorptive on both sides with an optional integrated traffic barrier. It can also incorporate single sided absorptive or reflective retaining wall panels or transparent elements.

The NB12 system is flexible in many ways. It is ideal for slope conditions, directional changes, and difficult site access situations. Precast panels can easily be modified for short bays on site.

### Simplified technical drawing



## NB15 SYSTEM

The NB15 is a post and precast panel noise barrier system with standard centre-to-centre post spacing being **15ft (4.56m)**. The NB15 system can be engineered for wall heights up to 43ft (13m) or more. Precast panels are a standard size of 15ft (4.57m) long by 18-48in (0.46-1.22m) high.

The standard NB15 system is noise absorptive on one or both sides. It can also incorporate transparent elements, and integrated retaining wall panels.

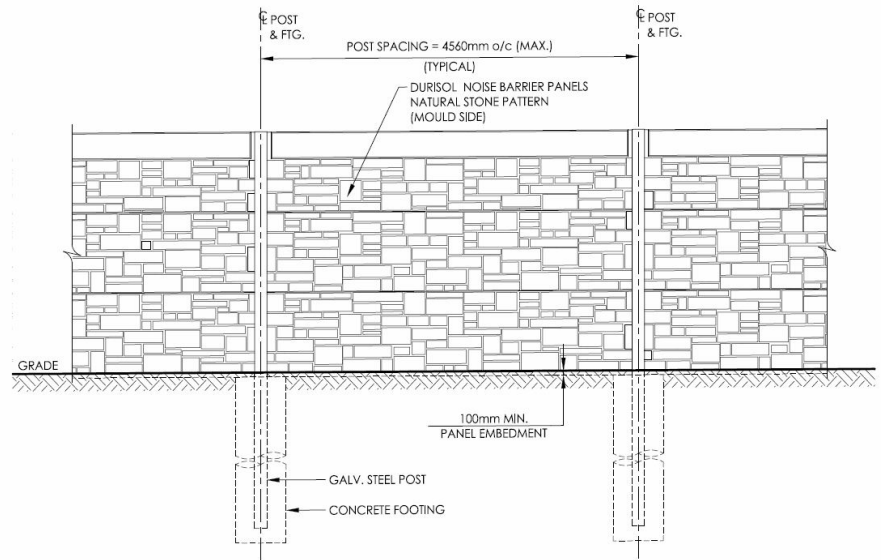
The NB15 system offers 20% fewer posts than the NB12 system, which can result in meaningful cost savings depending on soil conditions and other required wall system elements.



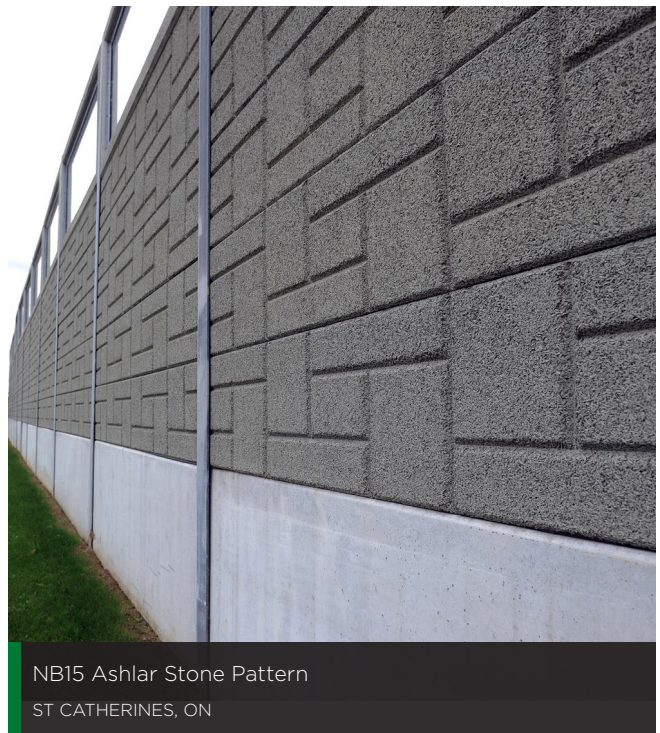
Durisol's NB15 system offers a **Durisol® Firestop System**

For more information, check out our **Utility Enclosures & Fire Rated Barriers Brochure** on **Durisol.com**

### Simplified technical drawing



Durisol® FireStop System  
TORONTO, ON



NB15 Ashlar Stone Pattern  
ST CATHERINES, ON

## NB24 SYSTEM

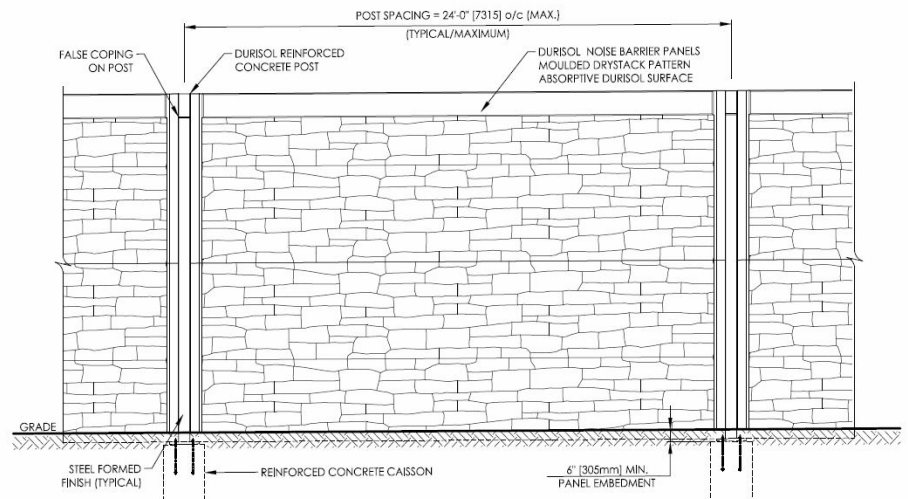
The NB24 is a post and precast panel noise barrier system with customized bay spacing allowing for posts to be **24ft (7.3m)** centre-to-centre. Precast posts are standard option with wide flange HDG steel posts.

The NB24 system can be engineered for wall heights up to 36ft (11m) or more. Custom precast panels are available up to 24ft (7.3m) long by 84in (2.2m) high.

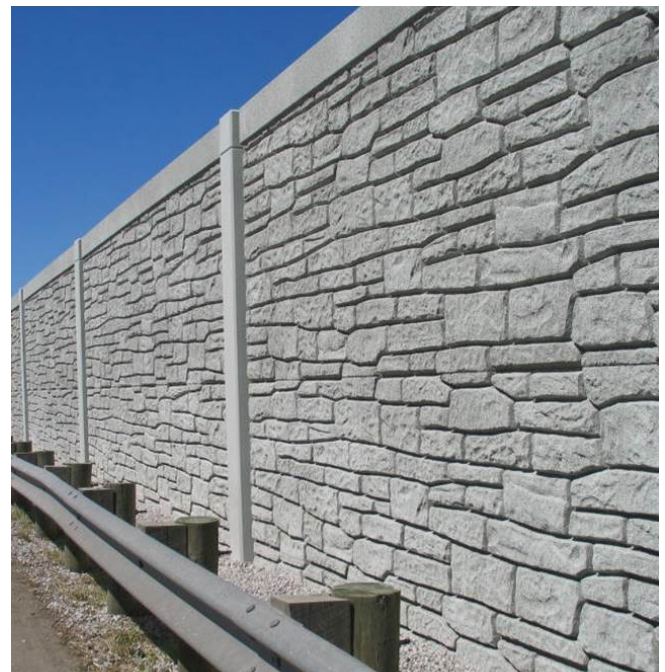
The NB24 system has noise absorptive on one side. It can also incorporate transparent elements, and integrate retaining wall panels. The NB24 system offers the longest post spacing of Durisol's systems which can result in meaningful cost savings depending on soil conditions and other required wall elements.

The NB24 system is ideal for long straight runs of wall with minimal sloping grades where noise absorption is not required on one side of the wall.

### Simplified technical drawing



NB24 Custom Grasslands Pattern  
TORONTO, ON



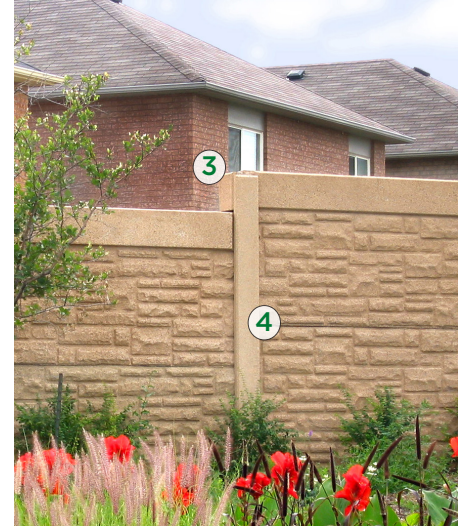
NB24 Drystack Pattern  
OHIO, USA

## ACCESSORIES

With over 40 years of experience designing and manufacturing highway noise barrier systems, Durisol has developed an impressive range of accessories and custom Designs. Designers and owners may select from a wide variety of functional and aesthetic options to enhance the utility and attractiveness of their wall system.

Durisol has a large design and engineering group in-house who can assist in developing a customized design to suit the needs of any project. This includes creating new designs and accessories to meet the requirements of the project. The standard High quality and high definition finishes can be customized to suit unique applications.

### POST ACCESSORIES



**LEGEND:**

- 1. Pier Caps
- 2. Piers
- 3. End Caps
- 4. Post Facings

### OPTIONAL ACCESSORIES

In addition to Durisol's wide range of standard textures and patterns, custom systems can be developed to suit almost any aesthetic or functional requirement. Durisol's experienced in-house team of engineers and professionals can assist designers, specifiers and owners at the project design stage to develop a custom solution where required.

Some of the most common accessories include:

- Vehicle access gates
- Man doors
- Drainage openings and grates
- Fire hose access openings
- Flood control panels
- Pedestrian walkway entrances
- Custom feature sign
- Painted posts



VEHICLE ACCESS GATE



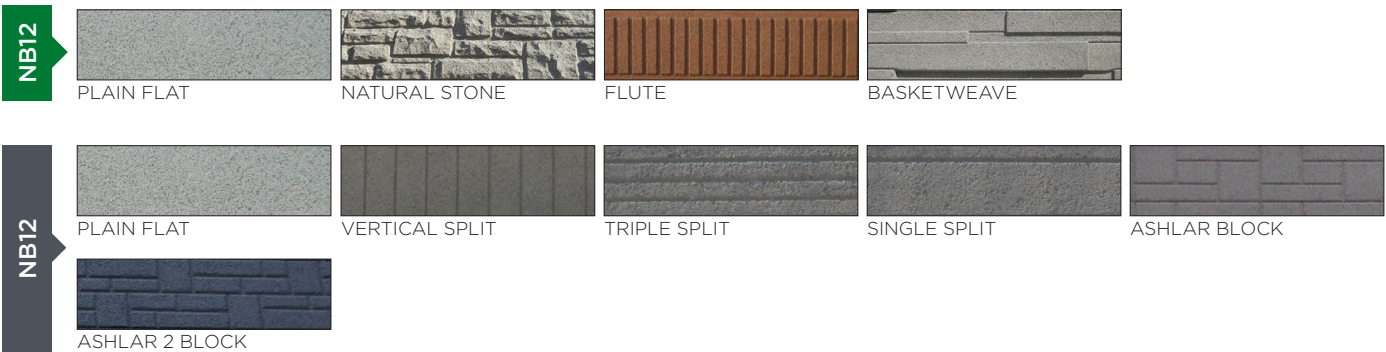
For more on RESIDENTIAL APPLICATIONS  
check out our brochure on [durisol.com](http://durisol.com)

# PATTERNS & TEXTURES

Production times may vary based on patterns and availability of moulds. Durisol also offers custom patterns - **please contact us for your custom pattern inquiries.**

MOULD SIDE

LID SIDE





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Durisol Ltd. is the market leader in the noise barrier industry across North America.  
1-866-801-0999  
[WWW.DURISOL.COM](http://WWW.DURISOL.COM)

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Drawings and product details are for information and/or illustrative purposes only, and may vary.  
Please contact your local Durisol representative for the most current product information.